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4 January 1968

MEMORANDUM FOR: Budget and Programs Division/Compt/OSA

SUBJECT: Increased Funding Requirement for David Clark Company, Contract DC-1700.

1. The subject contract, which was initially established and funded in FY-67, covers the design and development of the S-1010 Pilots Protective Assembly for use in the U-2R. The original proposal received from the David Clark Co. estimated the cost of design and development of the prototype PPA to [redacted] and this amount was approved in the FY-67 budget and subsequently committed to Contract DC-1700.

2. An additional [redacted] required to cover expenses incurred above and beyond the design and development costs as initially submitted. The additional expenses fall into two categories; tooling costs for production of the S-1010 PPA, and additional design and development not included in the original proposal but directed by the technical monitor. A breakdown of the additional efforts and their costs are as follows:

a. Additional Development: Several changes, modifications and additions, that were not within the scope of the initial design and development package, were directed by the undersigned as a result of preliminary evaluations. These items total an additional [redacted] include the following:

- (1) Development of a urine elimination system.
- (2) Redesign the shoulder area for better pressurized arm mobility.
- (3) Development of an improved flotation unit.
- (4) Development of comfort pads on the parachute harness seat sling.
- (5) Rework of prototype gloves to fit the subject used on initial chamber evaluations.

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- (6) Relocate the suit pressure indicator to the left forearm.
- (7) Redesign the helmet hold-down system for improved pressurized head mobility.
- (8) Redesign helmet for improved downward visibility.

b. Tooling: Tooling costs for items peculiar to the S-1010 equipment were not estimated or included in the initial development package. These total tooling costs [redacted] should be included in the development costs for the S-1010 and not amortized over the unit costs of production PPA's. Since the tooling developed is peculiar to the S-1010 PPA it has no commercial value because the S-1010 will remain restricted to U-2R utilization.

3. It is requested that [redacted] FY-67 funding be allocated to David Clark Co. Contract DC-1700 to cover the additional expenses incurred as outlined above.

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ASD/R&D/OSA [redacted] (4 Jan 68)

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